GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:2930
ANSWERED ON:06.08.2015
Utilization of Electricity Transmission Line by PGCIL
Pandula Dr. Ravindra Babu

Will the Minister of POWER be pleased to state:

(a) whether Power Grid Corporation of India Limited (PGCIL) has any mechanism to assess the transmission lines which has resulted in "congestion" and "redundancy";

(b) if so, the details thereof;

(c) whether it is also a fact that there is vast gap between "cumulative transmission capacity" and "cumulative transfer capacity"; and

(d) if so, the details and reasons thereof along with action taken thereon?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL AND NEW & RENEWABLE ENERGY

(SHRI PIYUSH GOYAL)

(a) & (b) : Power System Operation Company (POSOCO), a subsidiary company of Power Grid Corporation of India Limited (PGCIL), does regular assessment of the utilization of electricity transmission lines. This is done by calculating the Total Transfer Capability (TTC), Available Transfer Capability (ATC) and Transfer Reliability Margin (TRM) of various transmission corridors, in accordance with the guidelines approved by Central Electricity Regulatory Commission (CERC). Transmission system, which is being developed in the country also considers POSOCO"s recommendation so that congestion in the transmission corridors can be eliminated or further minimized.

(c) & (d) : As regards the gap between Total Transfer Capability and Available Transfer Capability, it is stated that the ATC is calculated, inter-alia, taking into account secure grid operation standards.

It is further explained that the transmission grid is a mesh network inter-connecting a number of transmission lines of various capacities and the ATC takes into account constraints like voltage stability and angular stability of all the transmission lines connected to the grid.

****